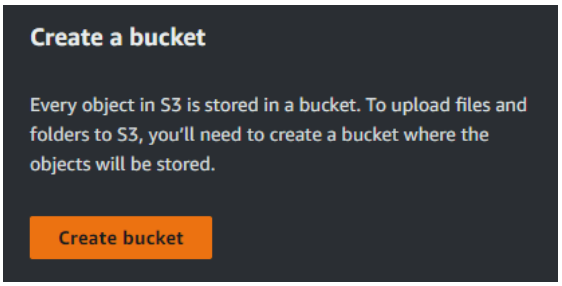
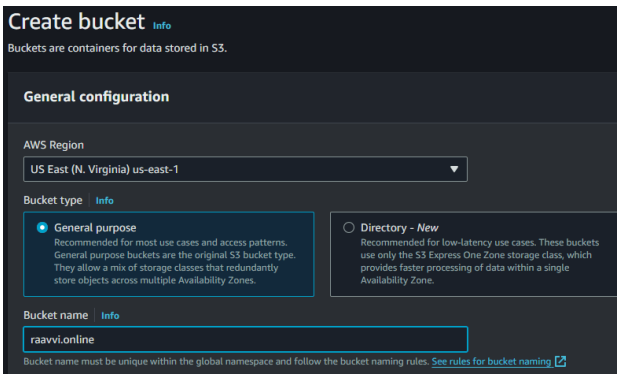
AWS DOCUMENTATION(ROUTE 53)

Creating the Public Bucket and hosting the static website using route 53.

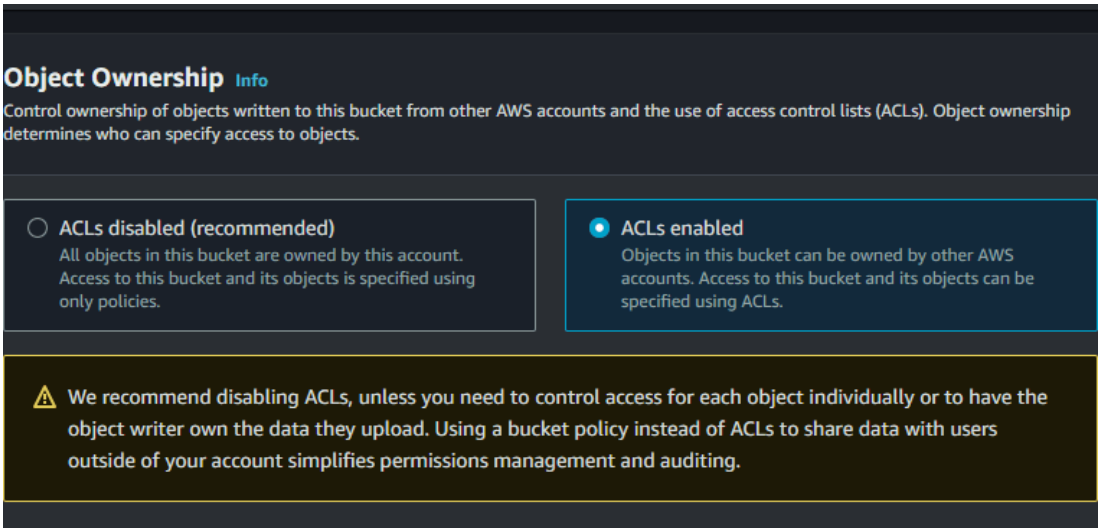
Step I : go to S3 service and click on create bucket.



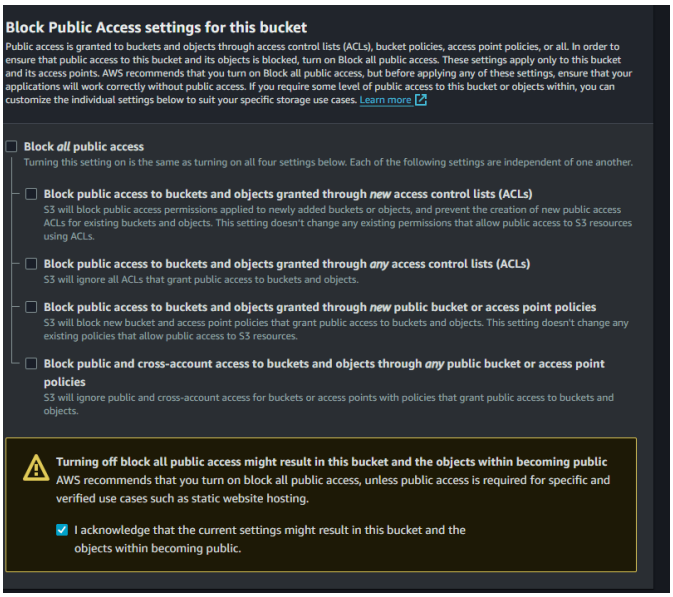
Step II : then select region and give the name to the bucket.



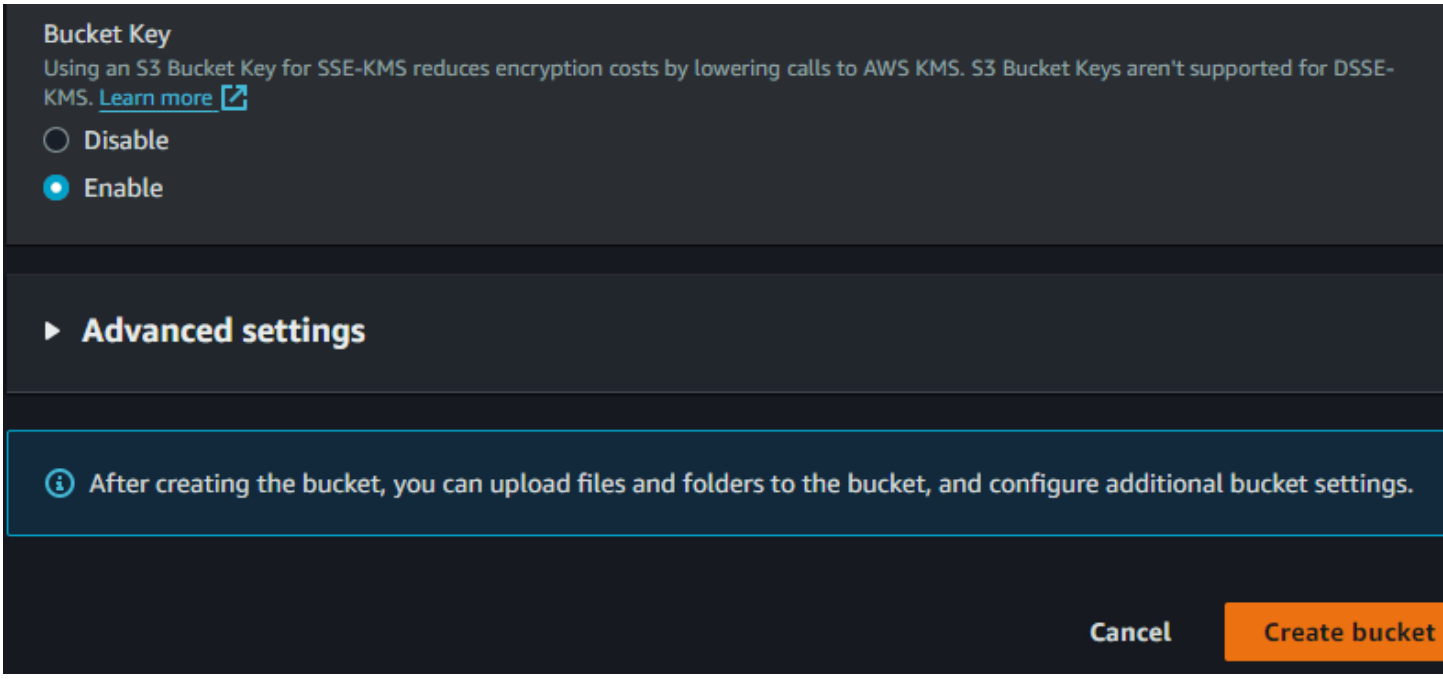
Step III : enable the ACL.



Step IV : then untick block all public access.



Step V : then click on create Bucket.

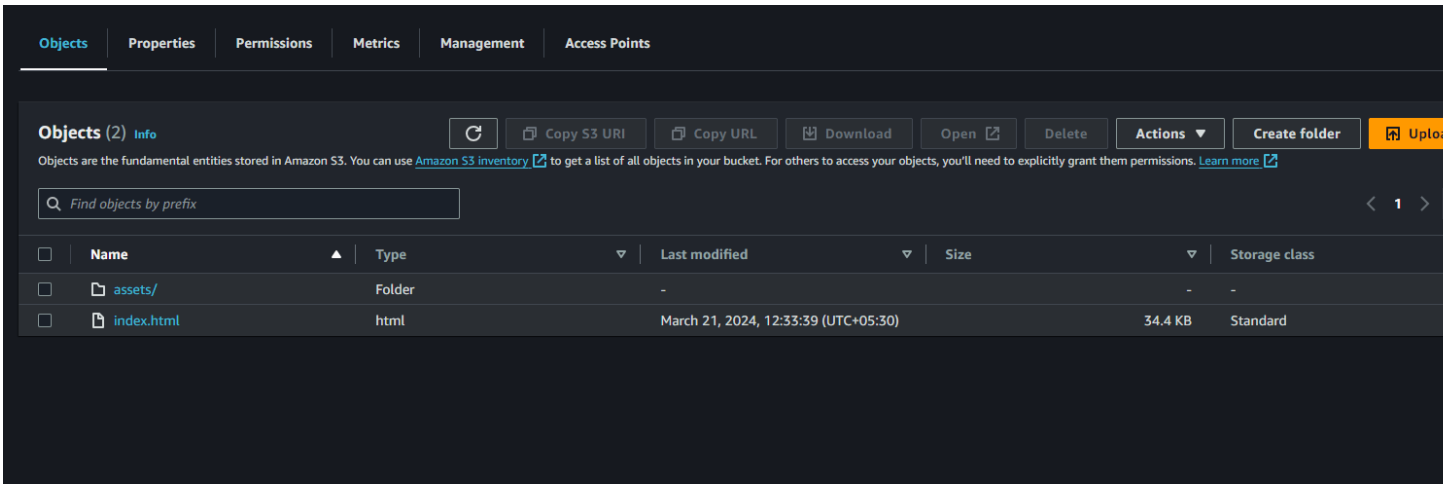


Step VI : go to browser, and search css free template select it and download it.

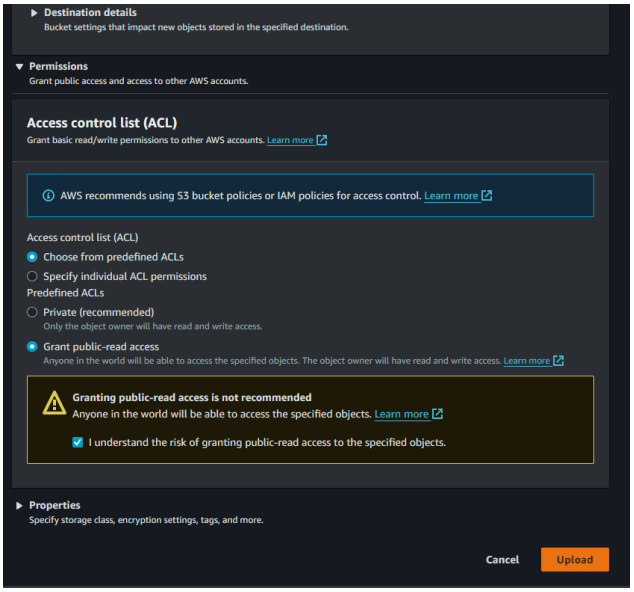
Step VII : then unzip it.

Step VIII : and upload the files and folders in Bucket.

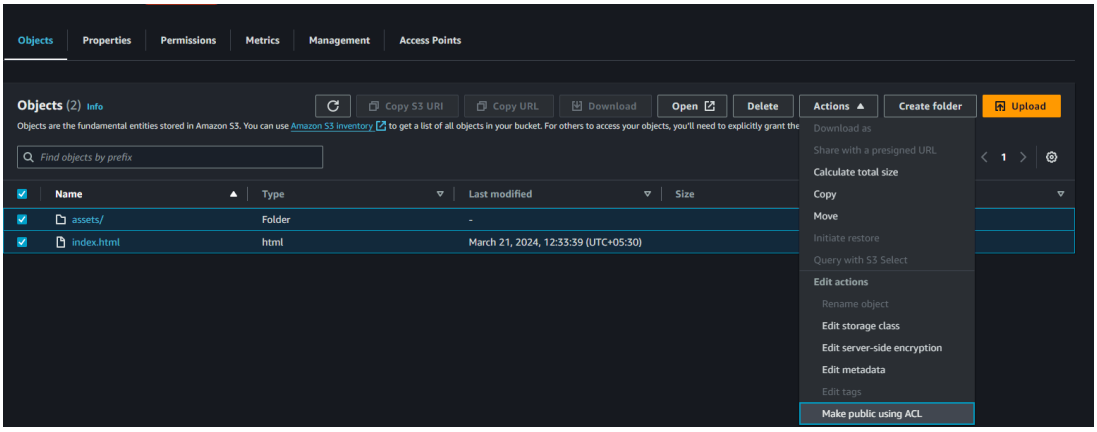
Step IX : after that click on upload.



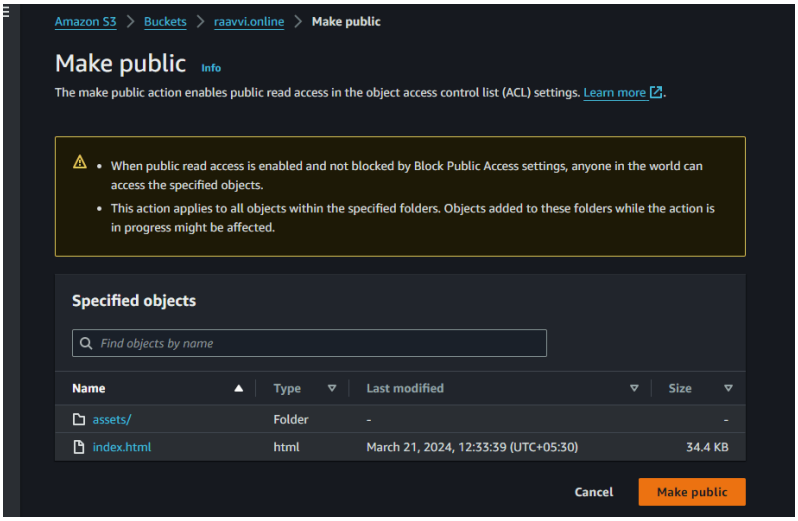
Step X : In Permissions,Grant the public-read access and upload it.



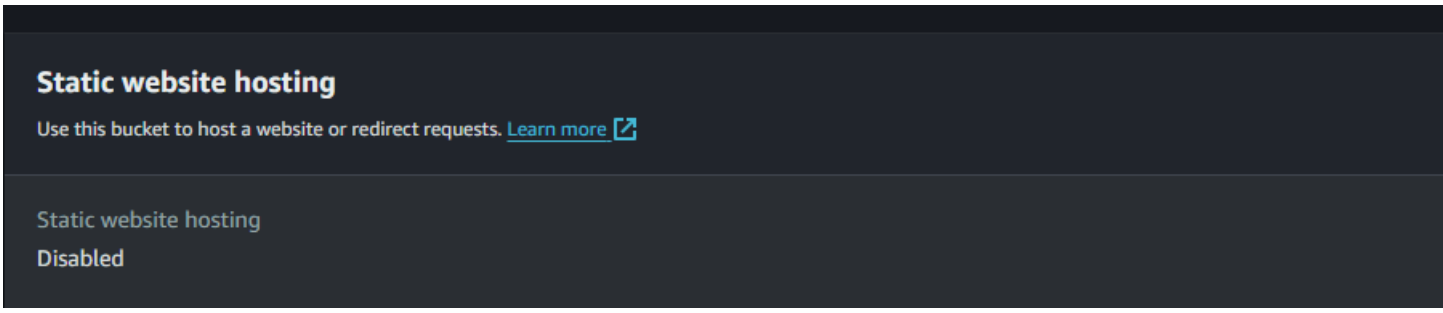
Step XI : then Select all objects and click on Action and click on the Make public using ACL.



Step XII : then click on Make public.



Step XIII : In Properties, click on edit in Static web Hosting and enable it.



Step XIV : In ACL click on edit and give permission List and Read to Everyone(public Access) and click on save changes.

Access control list (ACL)

Grant basic read/write permissions to other AWS accounts. Learn more

The console displays combined access grants for duplicate grantees
To see the full list of ACLs, use the Amazon S3 REST API, AWS CLI, or AWS SDKs.

Grantee	Objects	Bucket ACL
Bucket owner (your AWS account) Canonical ID: fe3528bd8f1087f605d1d182a652a77ac64e774830321b672bae2a474df5447f	☑ List ☑ Write	☑ Read ☑ Write
Everyone (public access) Group: http://acs.amazonaws.com/groups/global/AllUsers	☑ ⚠ List ☐ Write	☑ ⚠ Read ☐ Write
Authenticated users group Group: http://acs.amazonaws.com/groups/s3/LogDelivery	☐ List ☐ Write	☐ Read ☐ Write

⚠ When you grant access to the Everyone or Authenticated users group grantees, anyone in the world can access the objects in this bucket.

Learn more

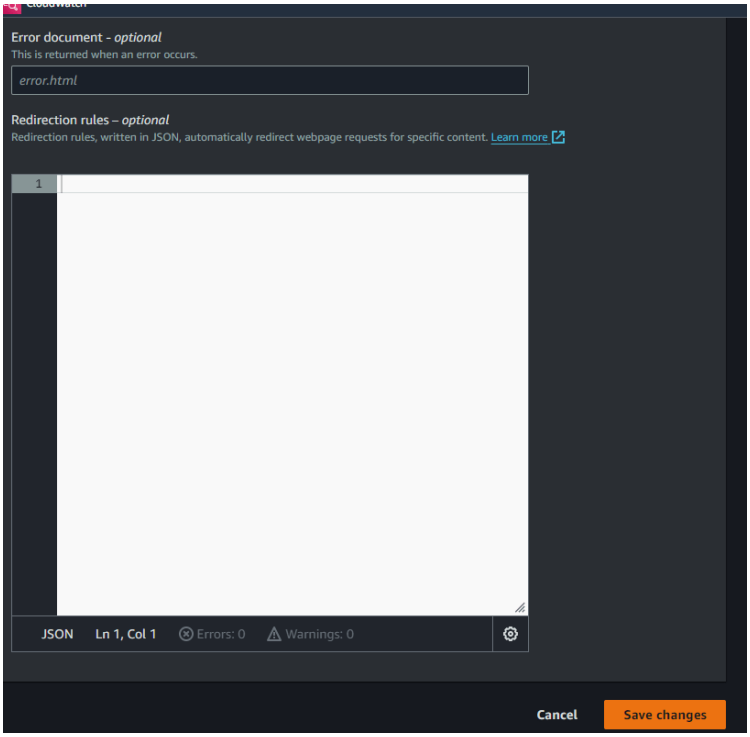
☑ I understand the effects of these changes on my objects and buckets.

Access for other AWS accounts

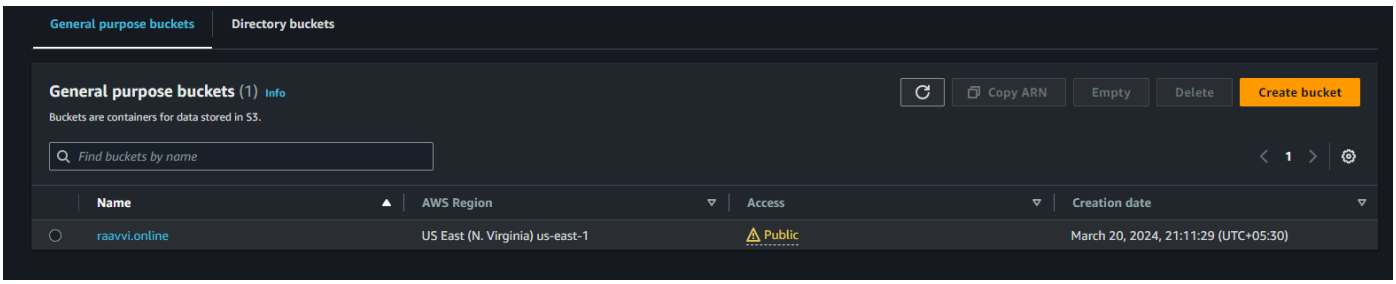
No other AWS accounts associated with the resource.

Add grantee

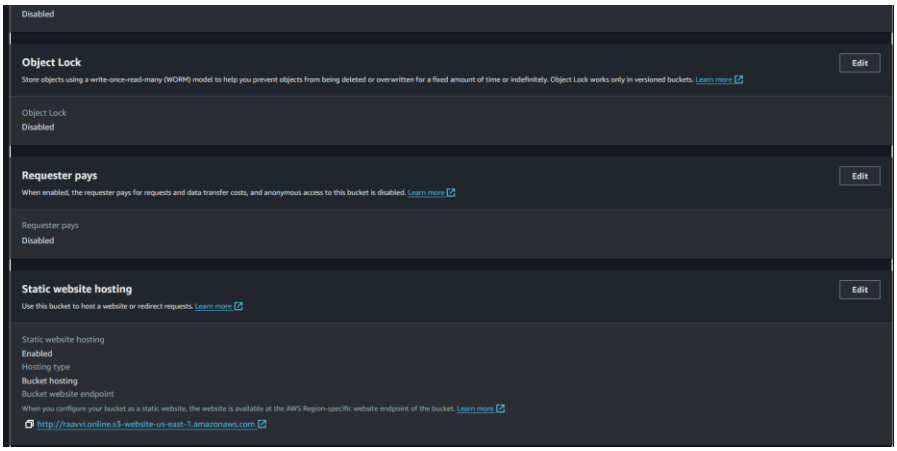
Cancel | Save changes



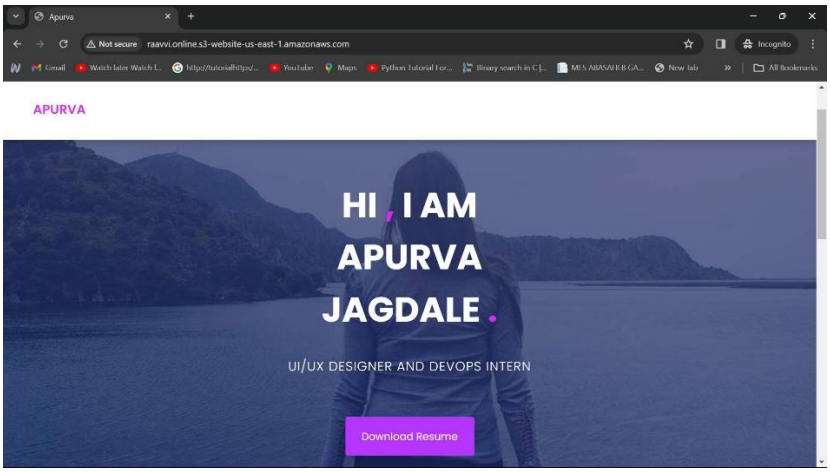
Step XV : See here, bucket is public.



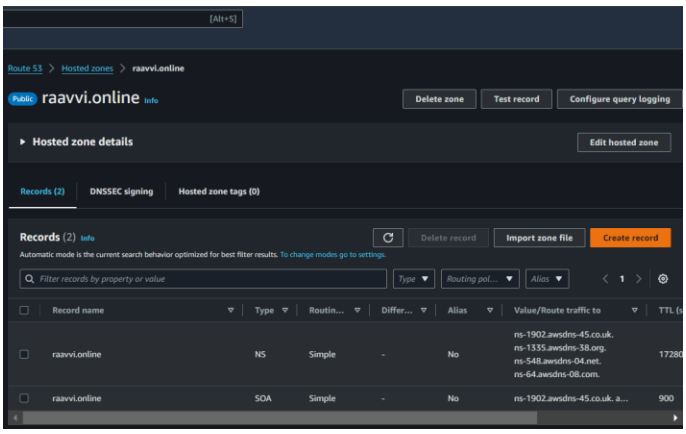
Step XVI : then copy the link in Static web hosting and paste it in other browser.



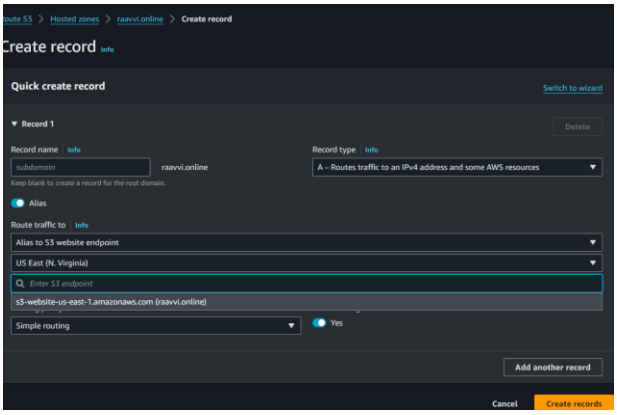
Step XVII : See here, the website is hosted properly.



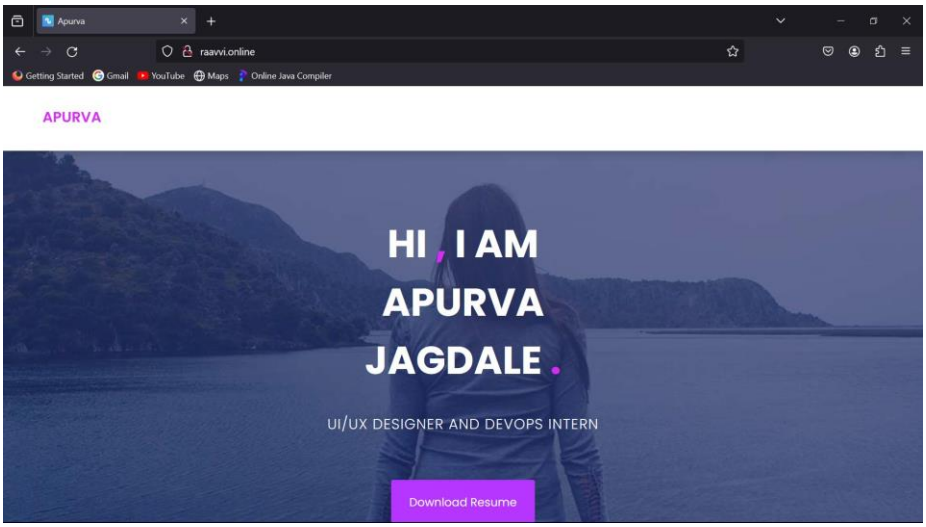
Step XVIII : then go Route 53 service and go to created hosted zone and delete previous uploaded record and click on create record.



Step XIX : then select the record type A, enable Alias. In Route traffic to select the Alias to S3 website endpoint, select region and endpoint and click on create records.



Step XX: and search the domain name in browser, here we see static website hosted properly using route 53.



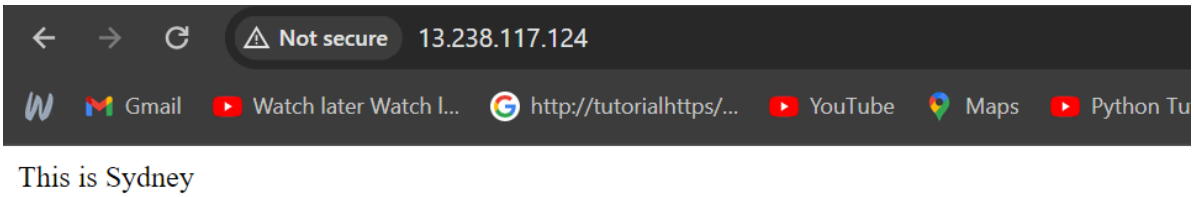
PUBLIC HEALTH IN ROUTE 53

Step I : Create the Instance in Sydney Region give the http and add the script in it and Launch instance

```
#!/bin/bash

sudo -i

yum install httpd -y

systemctl start httpd

systemctl enable httpd
```

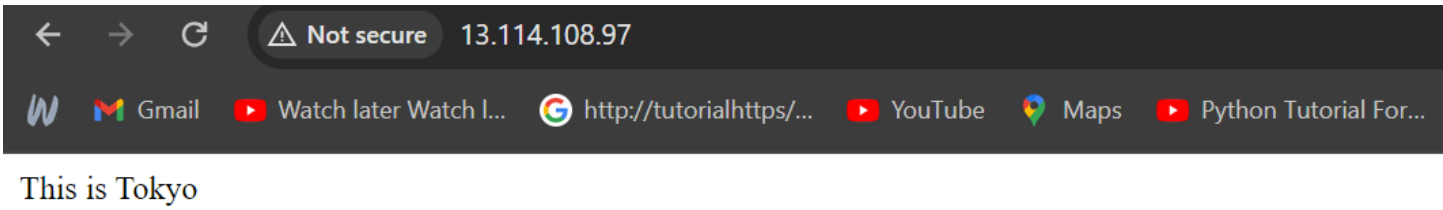
echo “This is Sydney” > /var/www/html/index.html

Step II : copy the public IP and paste it in other browser.

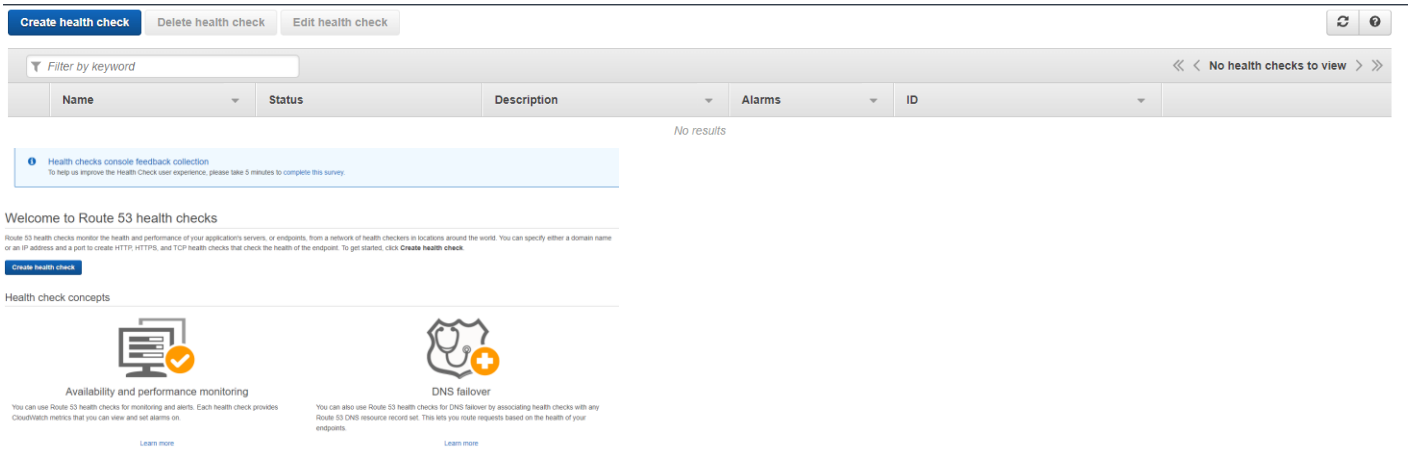


Step III: Follow same step to Launch instance in Tokyo.

Step IV : then copy the public ip and paste it in other browser.

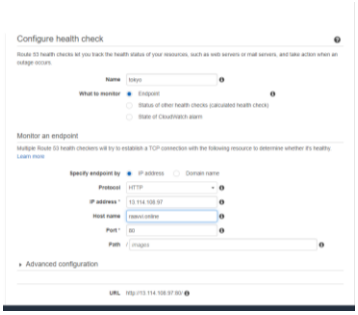


Step V : go to Route 53 and click on Create Health Check.

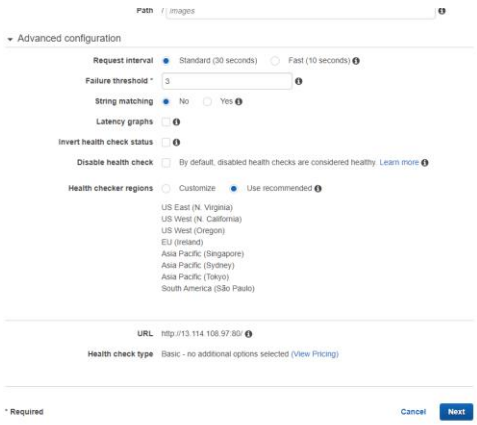


Step VI : give the name and select endpoint in what to monitor.

Step VII : then Select the specify endpoint by IP address ,give IP address, give host Name.

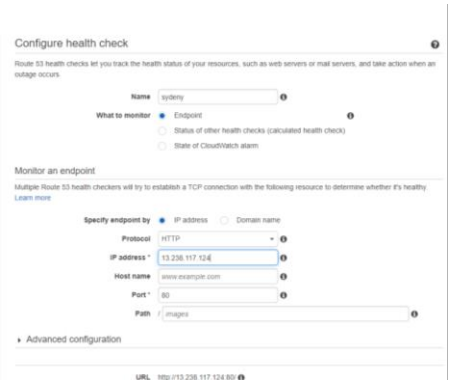


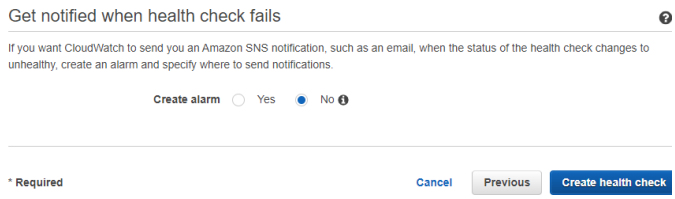
Step VIII : and click on next.



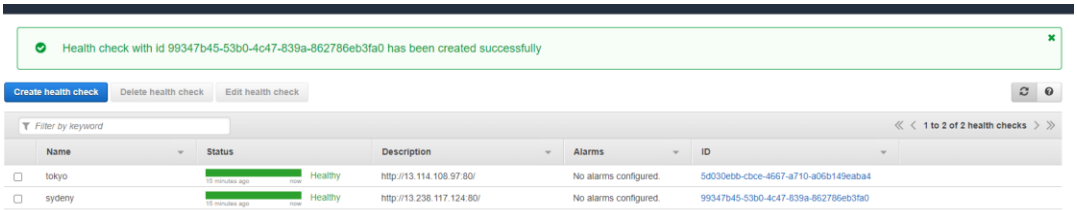
Step IX : then, click on create health check.

Step X : follow same process and create other health check using other instance IP .



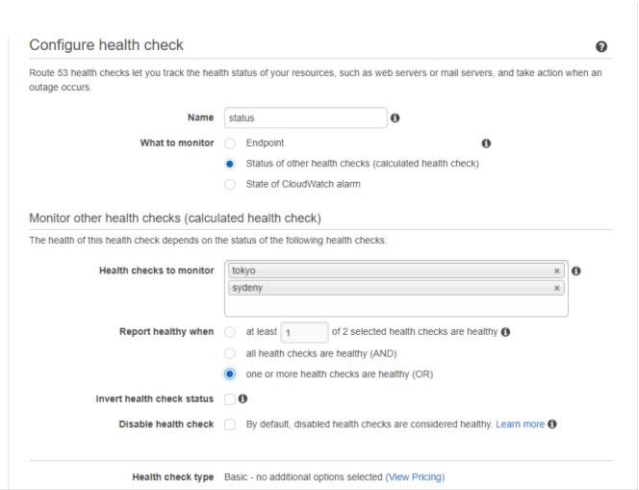


Step XI : see here, after refreshing the instances status are healthy here.

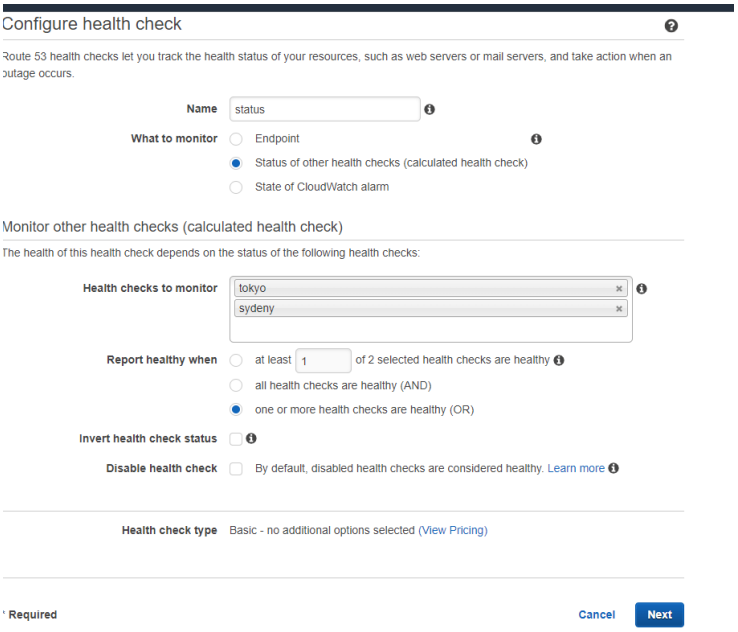


To monitor two health check Instance

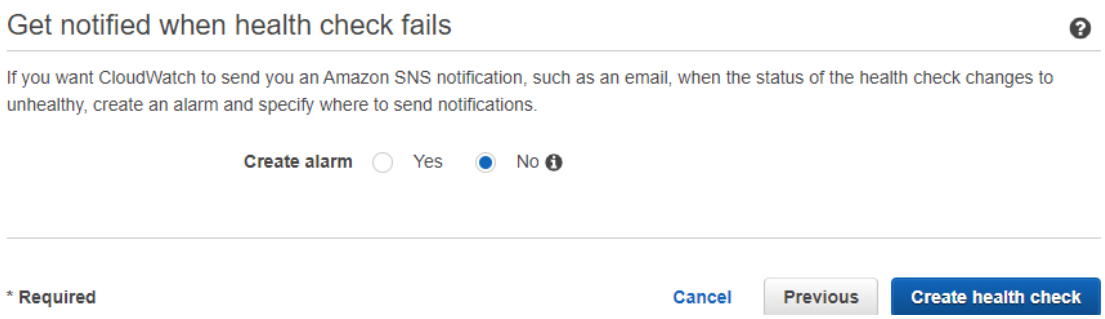
Step XII : Create the Health check give name it status, select Status of other health check in What to monitor.



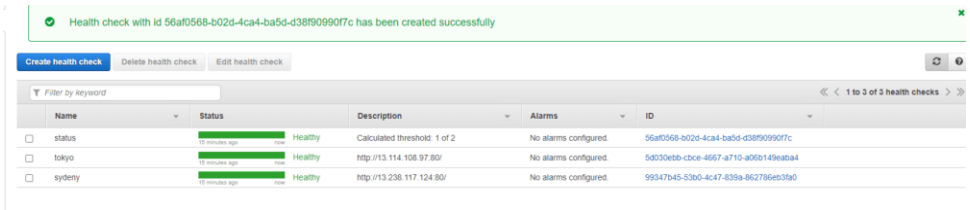
Step XIII : then select the one or more health check are health (OR) in Report healthy when. And then click on next.



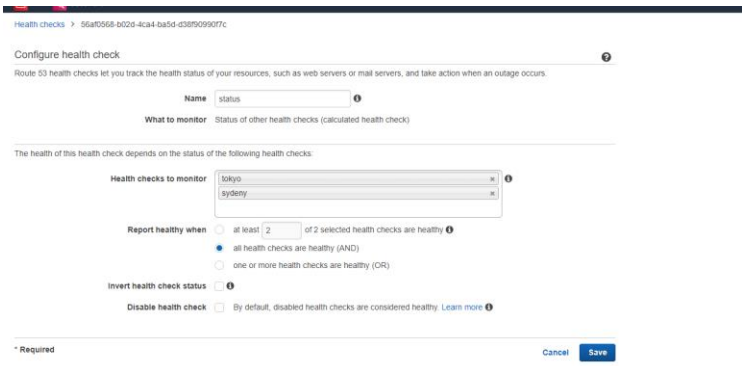
Step XIV : then click on create health check.



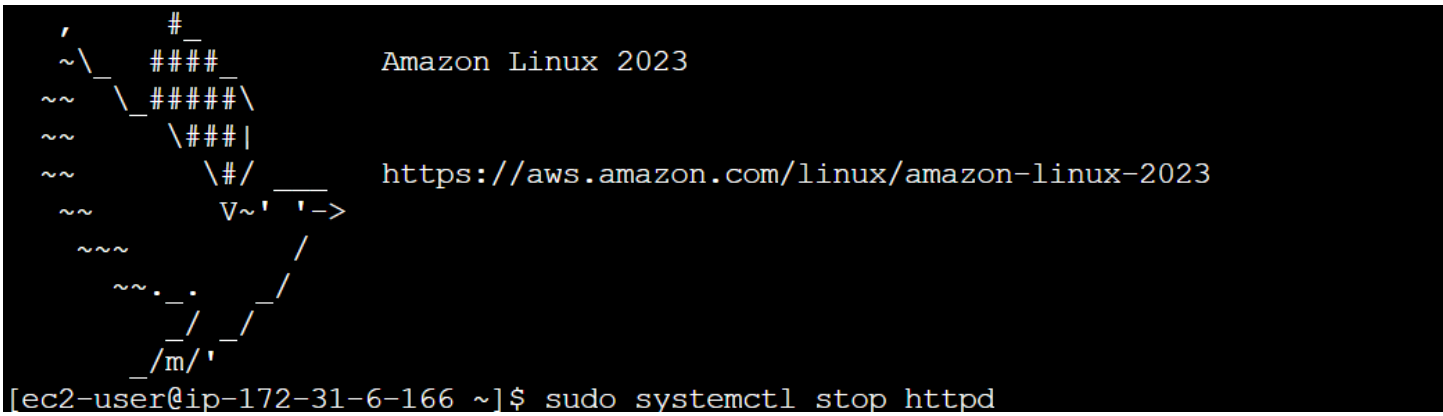
Step XV : See here the Instances are healthy states that's why here status is healthy.



Step XVI : then edit the status health check and select the report healthy in all checks are healthy(AND) then go to instance in Sydney region connect it and stop the httpd service. Here the instance is not work.



Step XVII : then go to instance in Sydney region connect it and stop the httpd service. Here the instance is not work.



Step XVIII : here it follows the given condition if one health check is unhealthy then its shows the unhealthy status.